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PROCESS TO GROUP MODEMS BY MODEM TYPE AND COMMAND EACH
TO SEND UPSTREAM DATA ON AN UPSTREAM CHANNEL HAVING SUITABLE
BURST PROFILE CHARACTERISTICS MATCHED TO THE MODEMS
THROUGHPUT CAPABILITY

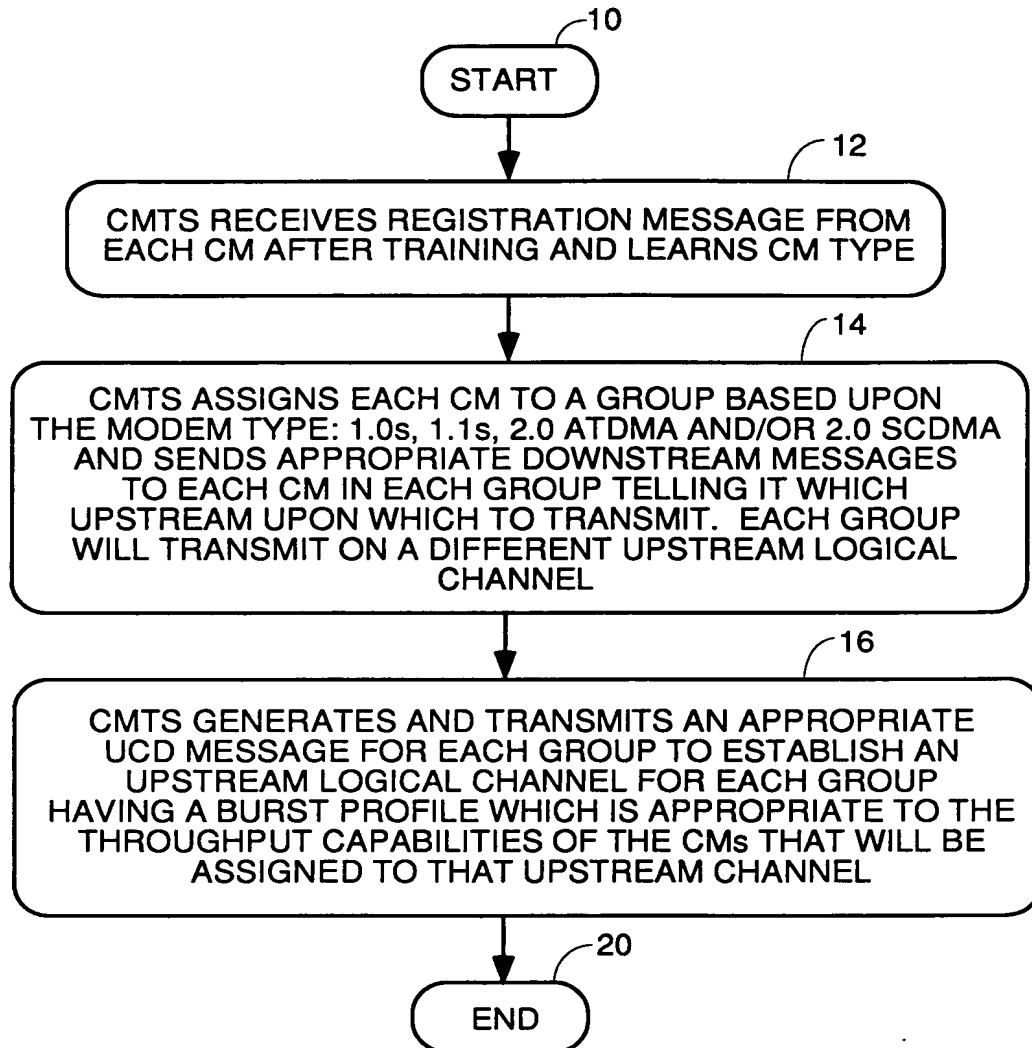


FIG. 1

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PROCESS TO GROUP AND SUBGROUP MODEMS BY MODEM TYPE AND RECEIVED POWER AND COMMAND EACH TO SEND UPSTREAM DATA ON AN UPSTREAM CHANNEL HAVING SUITABLE BURST PROFILE CHARACTERISTICS MATCHED TO THE MODEM'S THROUGHPUT AND RECEIVED POWER - SPECIES 4

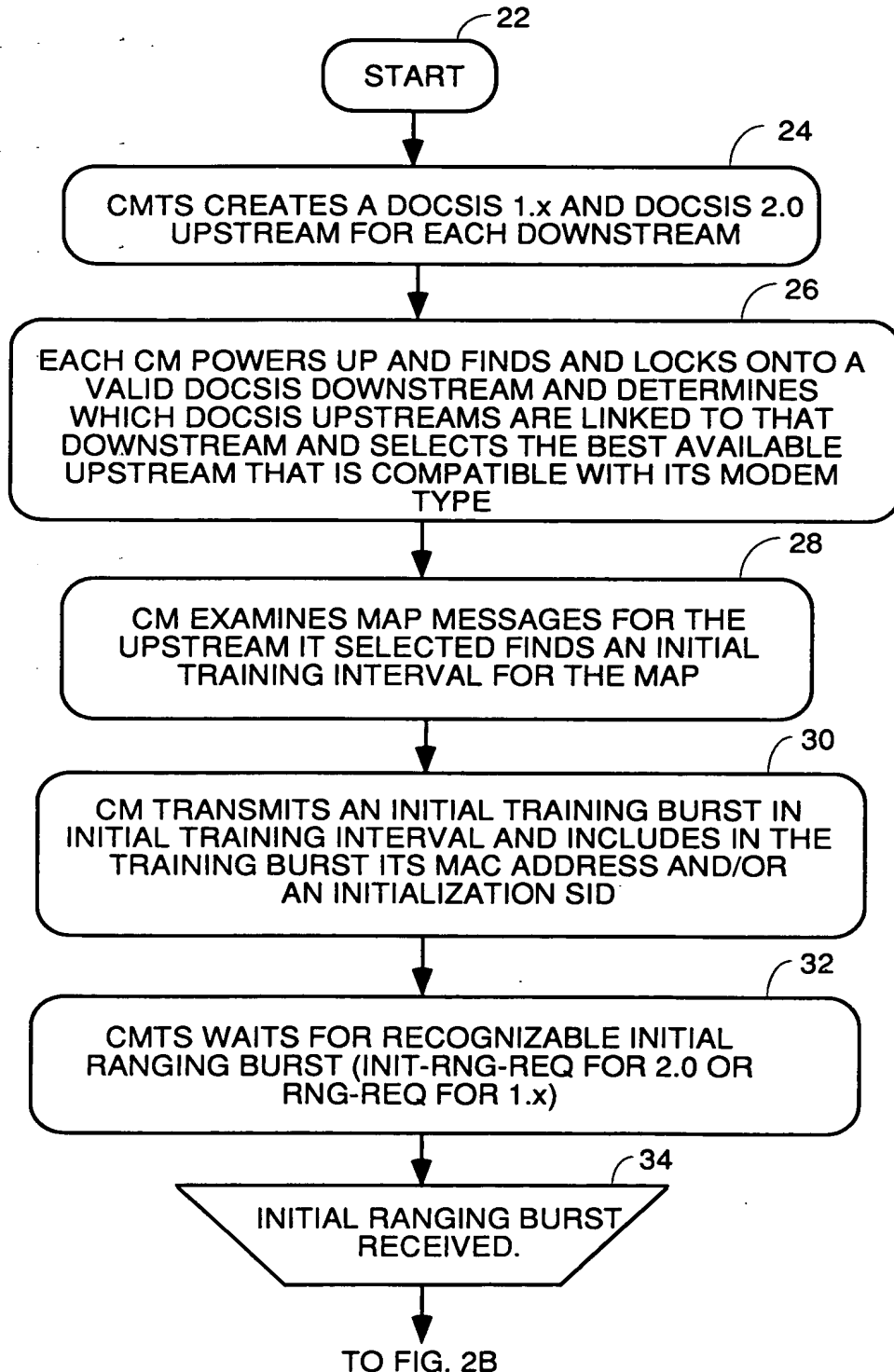


FIG. 2A

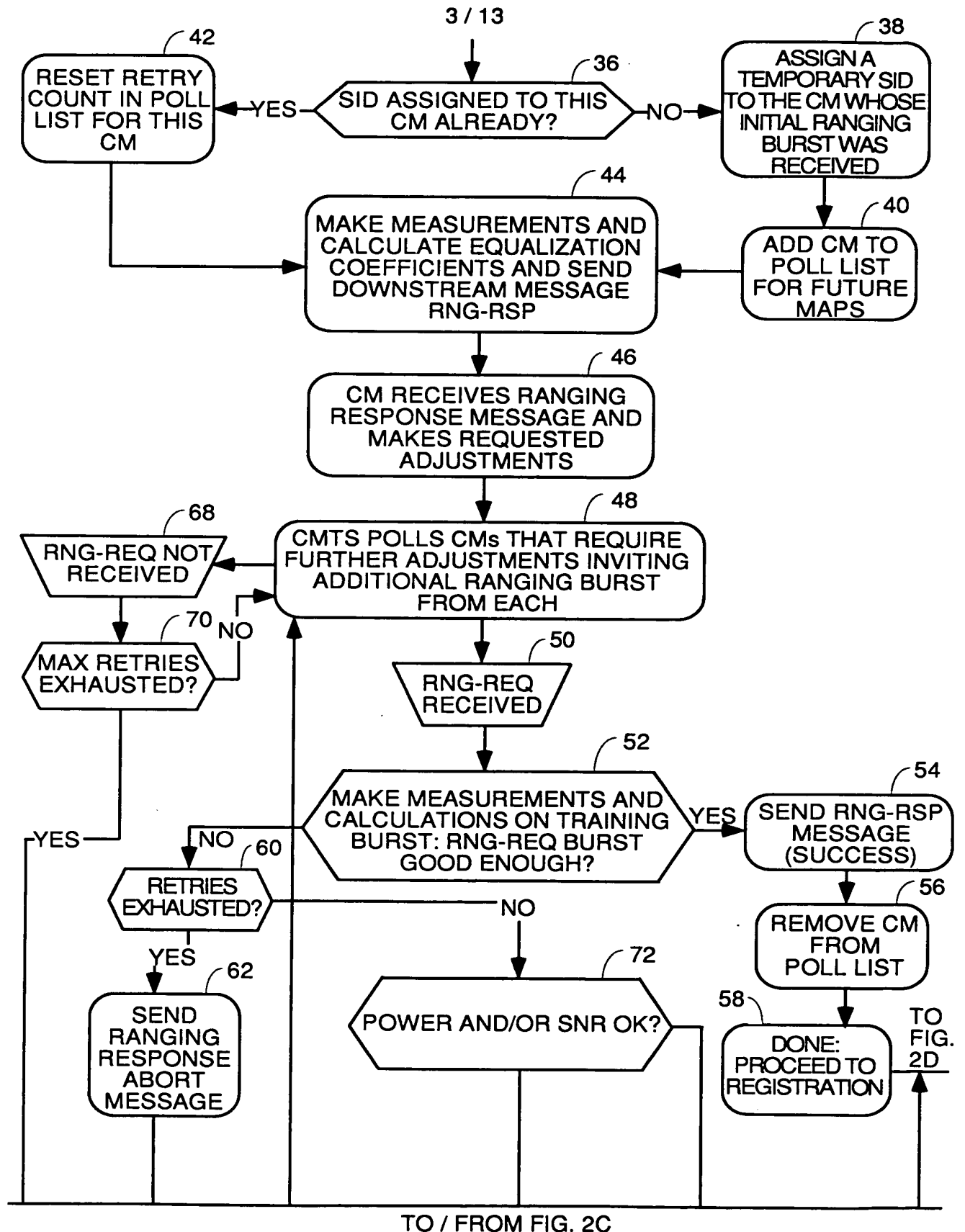


FIG. 2B

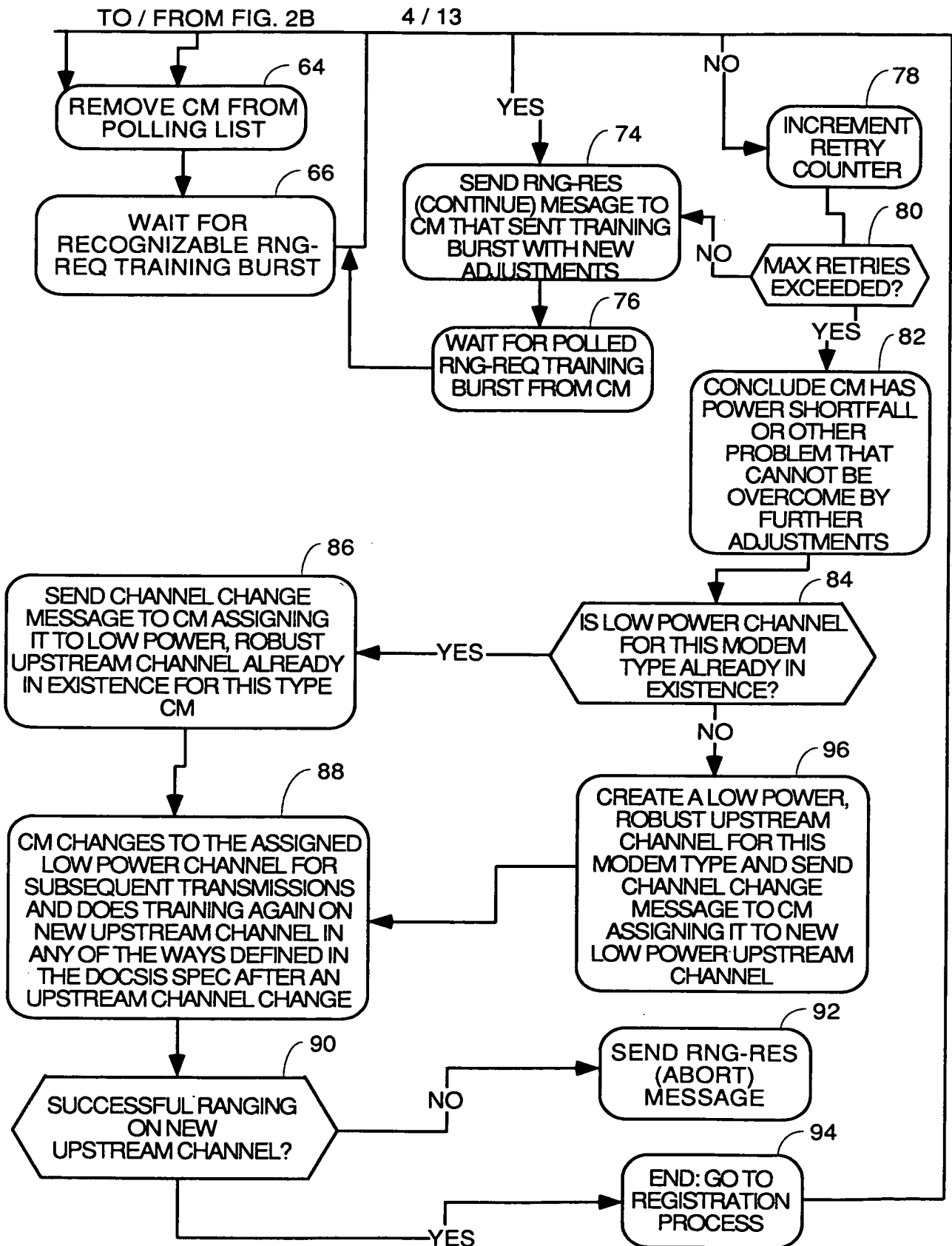


FIG. 2C

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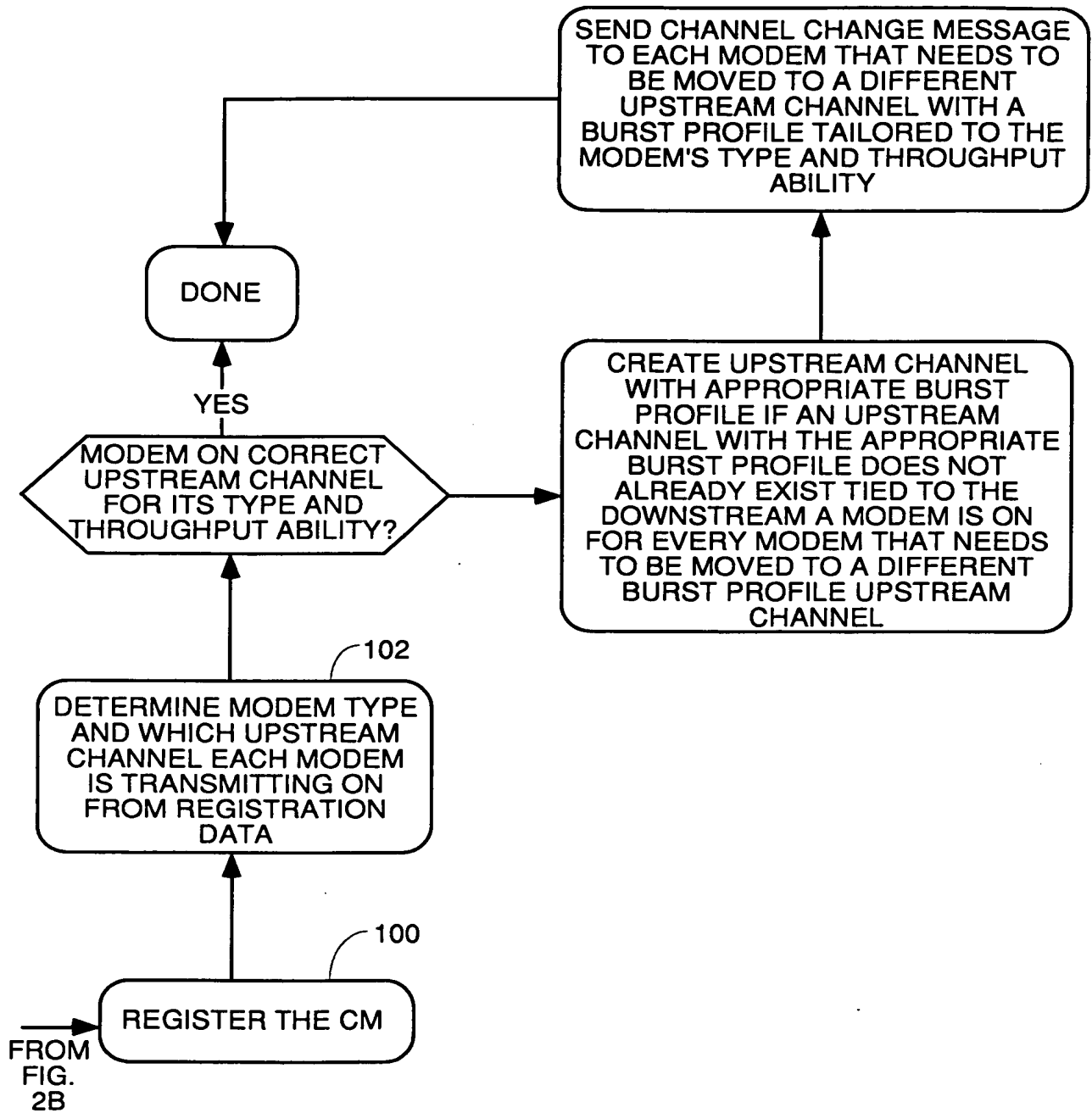


FIG. 2D

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PROCESS TO GROUP AND SUBGROUP MODEMS BY MODEM TYPE, SNR AND/OR RECEIVED POWER AND COMMAND EACH TO SEND UPSTREAM DATA ON AN UPSTREAM CHANNEL HAVING SUITABLE BURST PROFILE CHARACTERISTICS MATCHED TO THE MODEM'S THROUGHPUT AND RECEIVED POWER AND/OR SNR

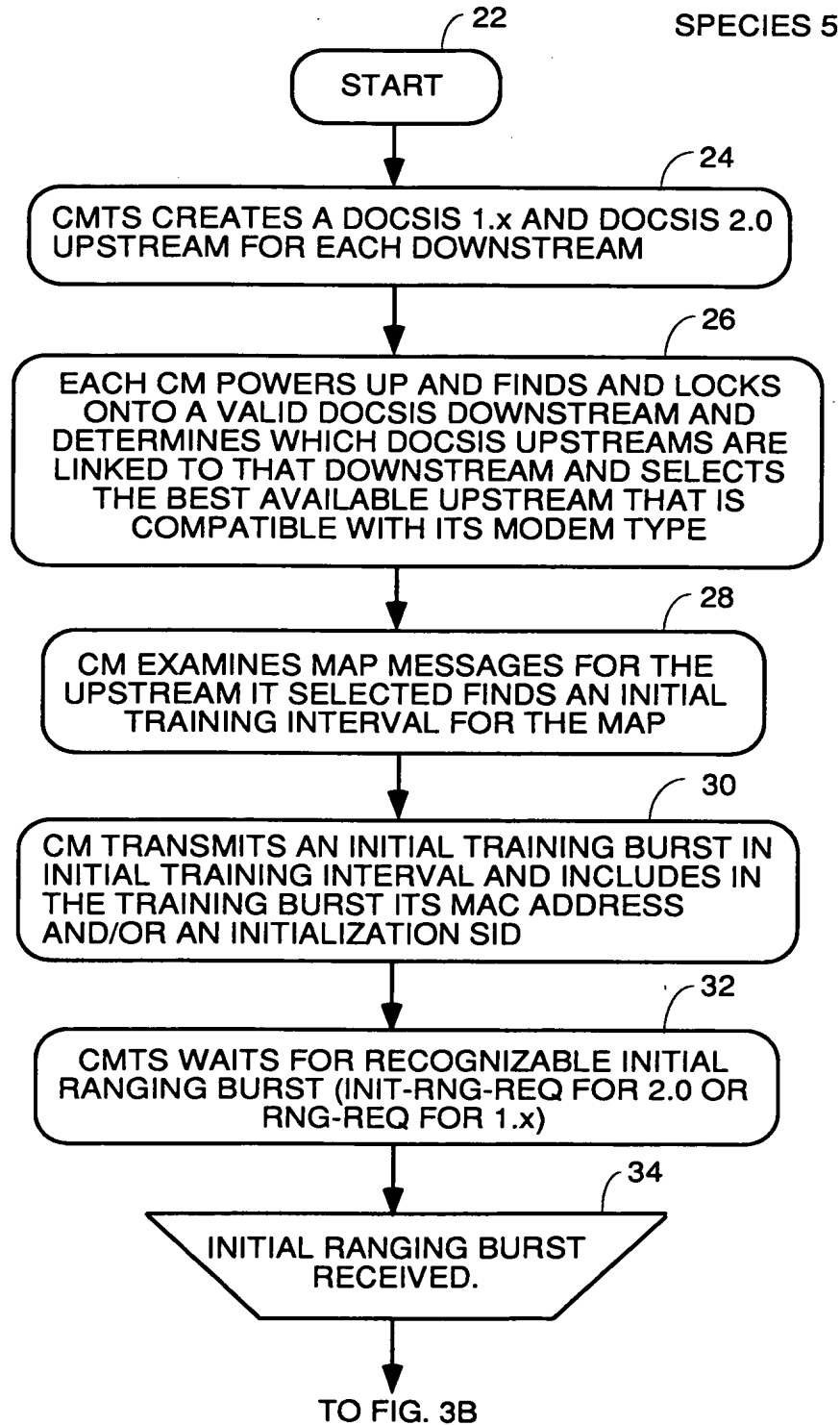
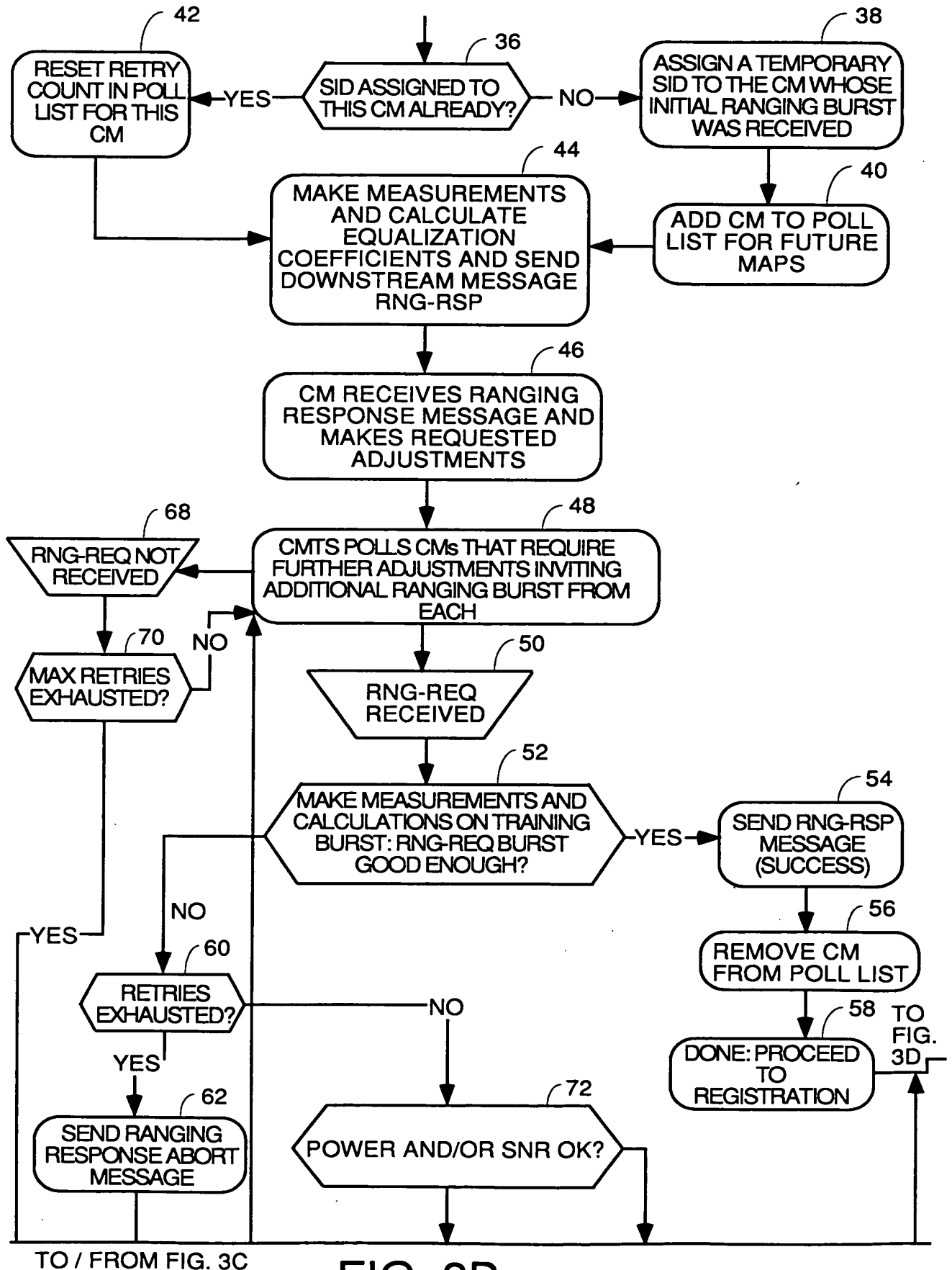


FIG. 3A

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TO / FROM FIG. 3C

FIG. 3B

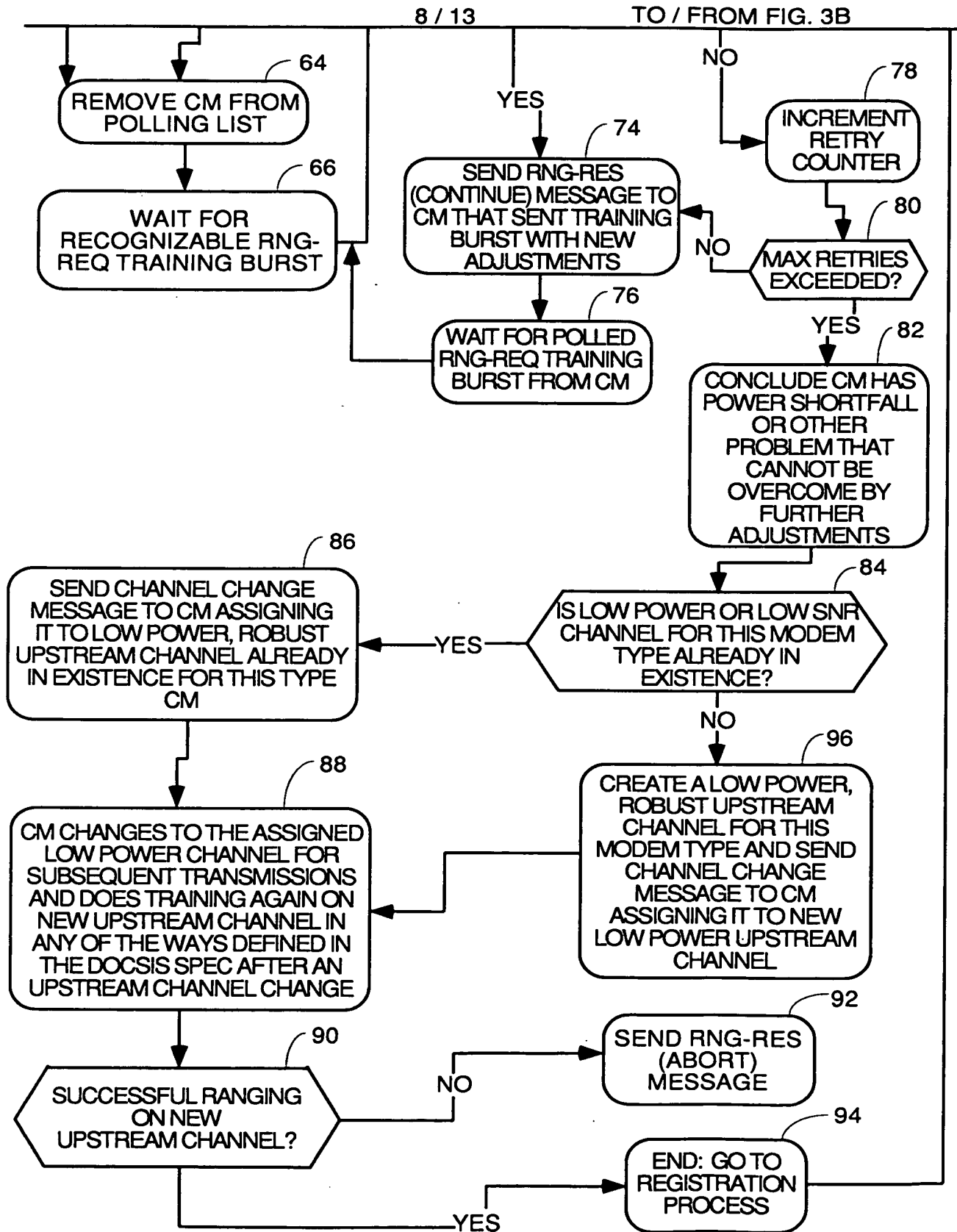


FIG. 3C

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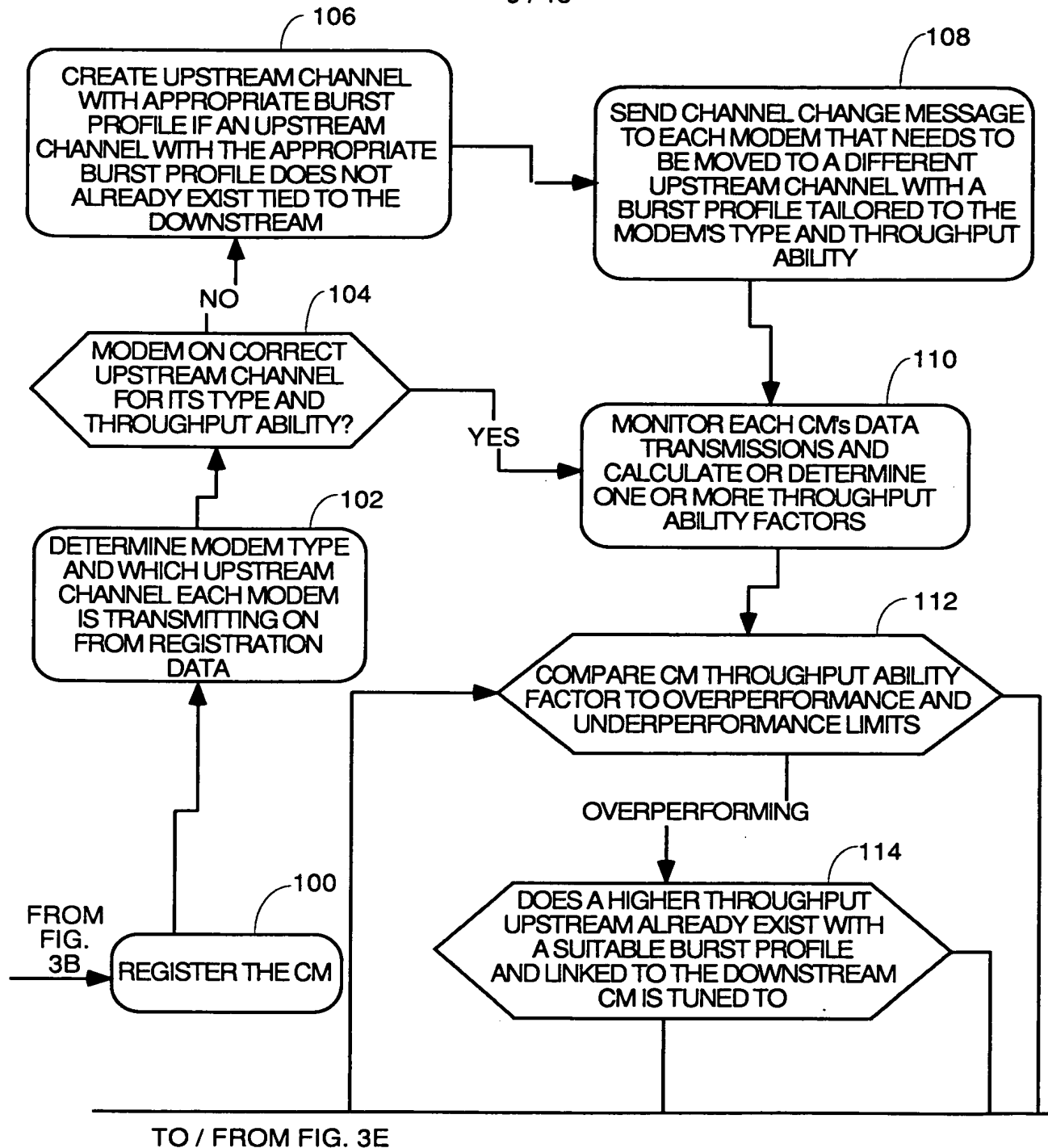


FIG. 3D

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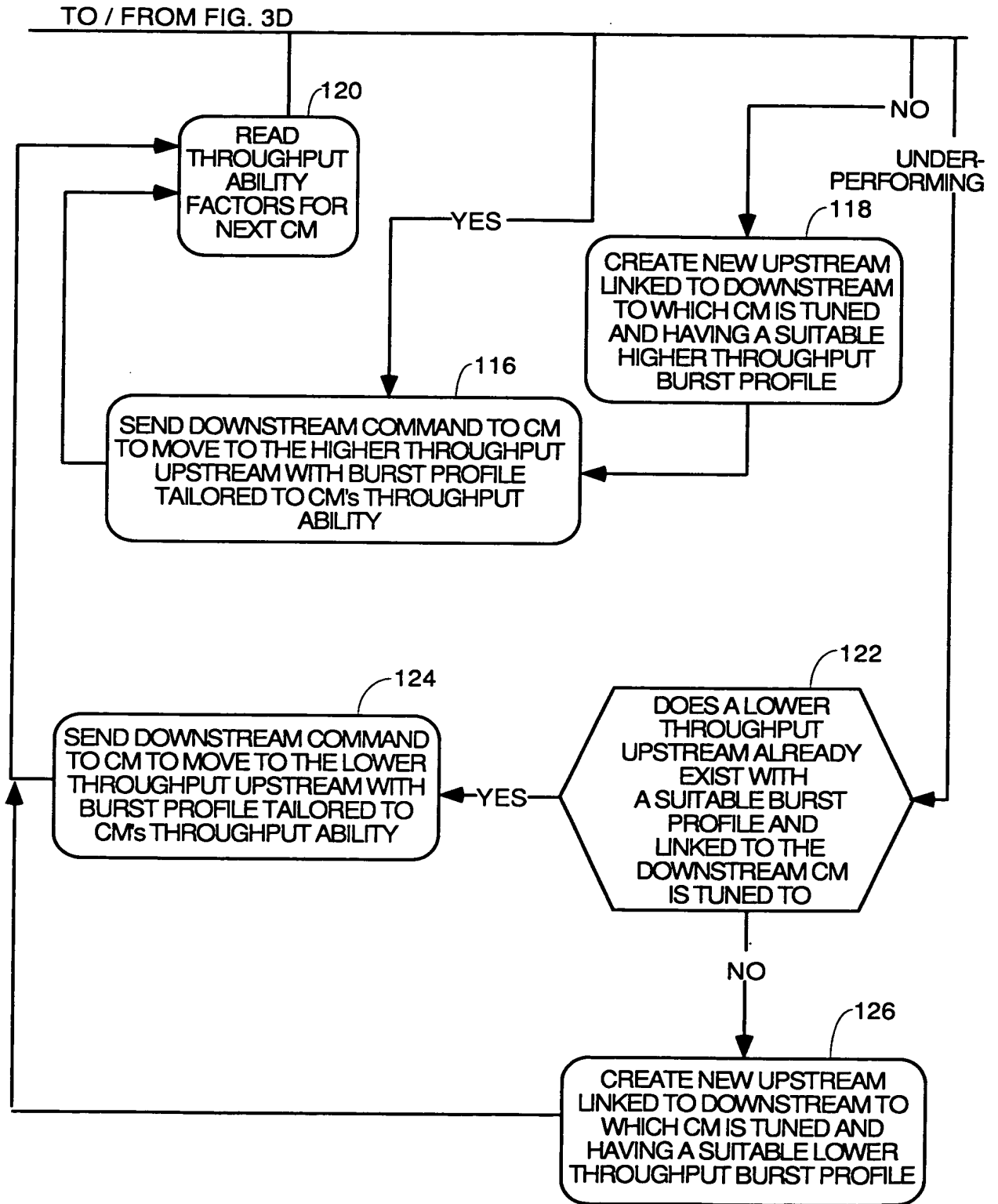


FIG. 3E

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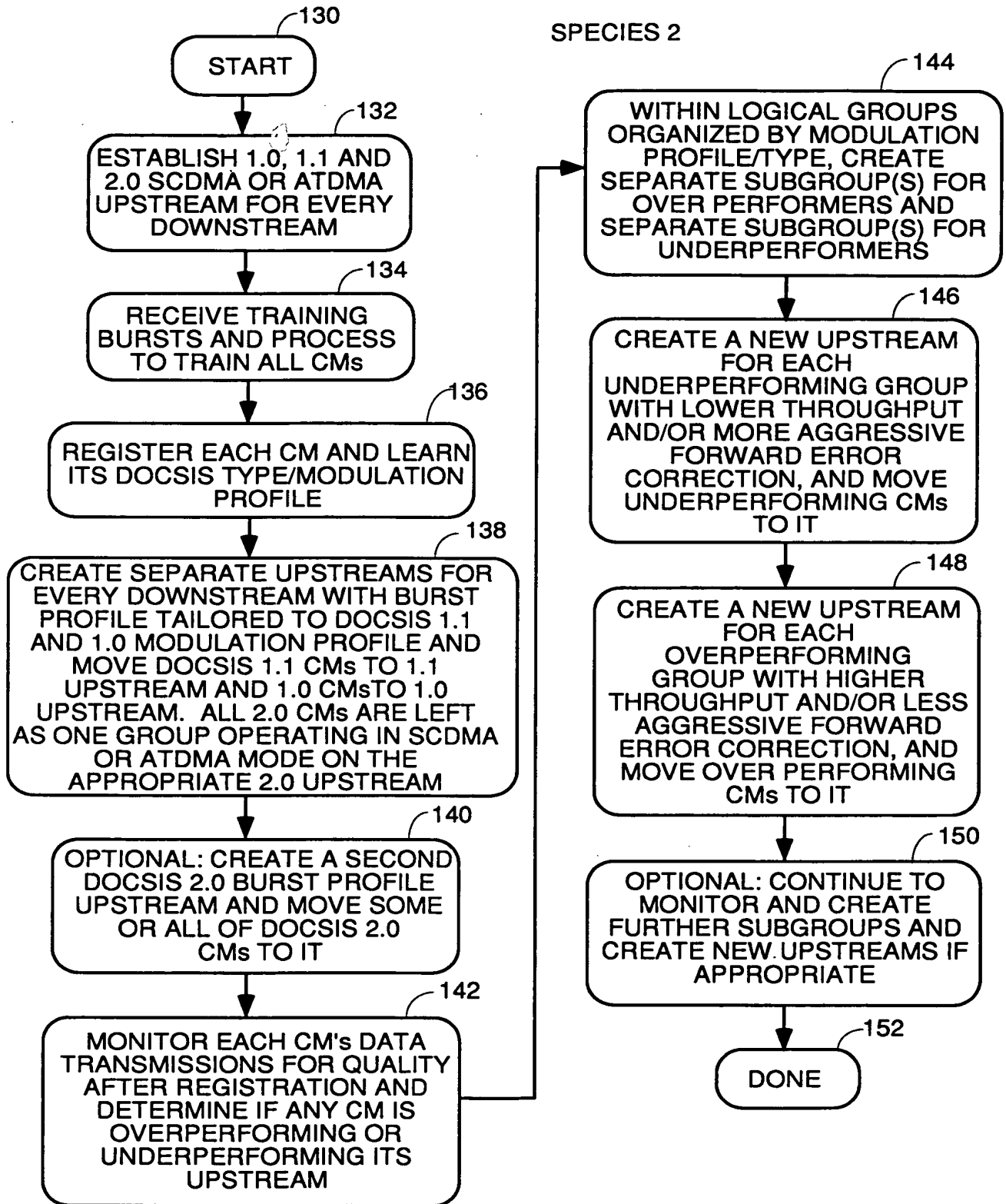


FIG. 4

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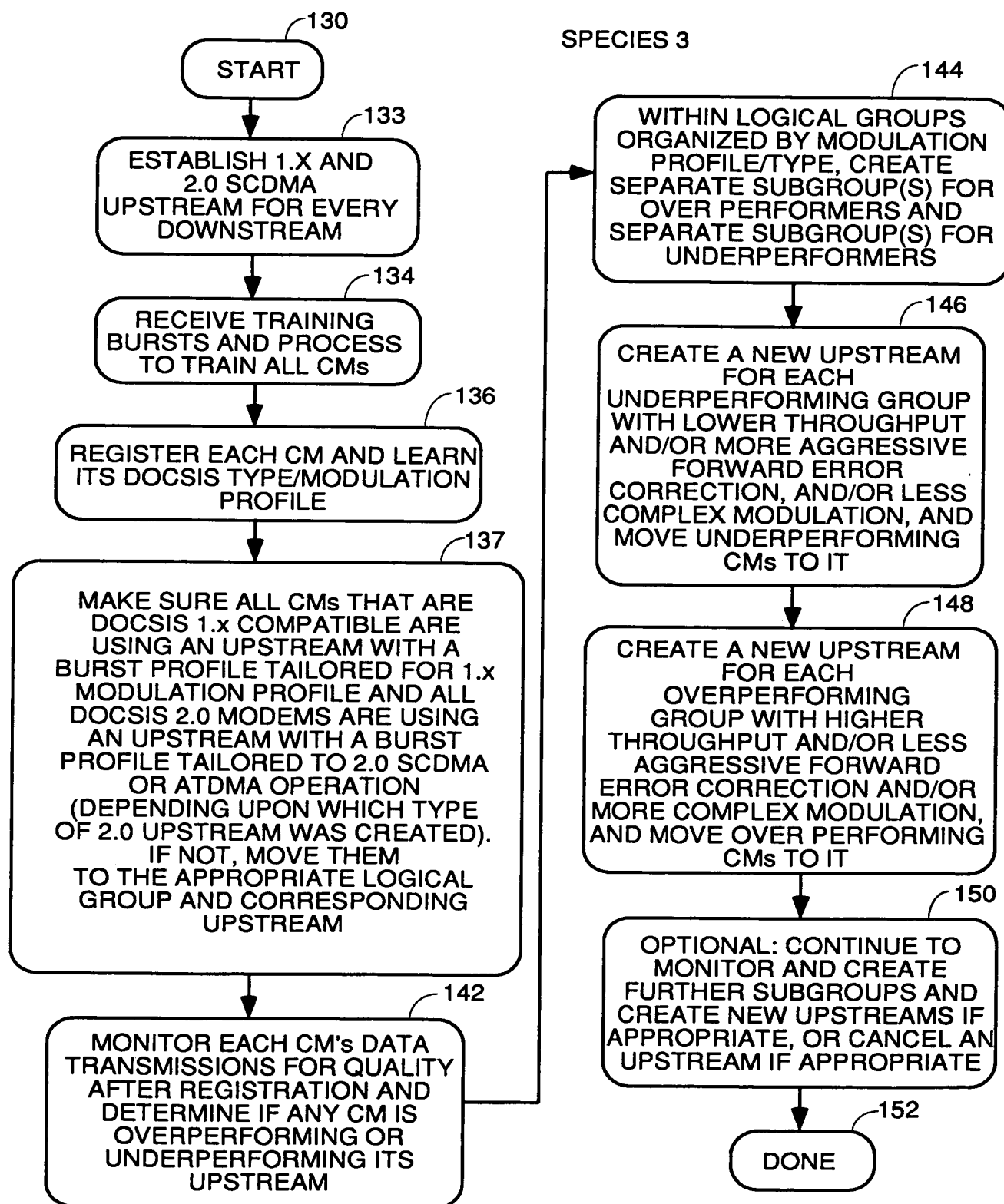


FIG. 5

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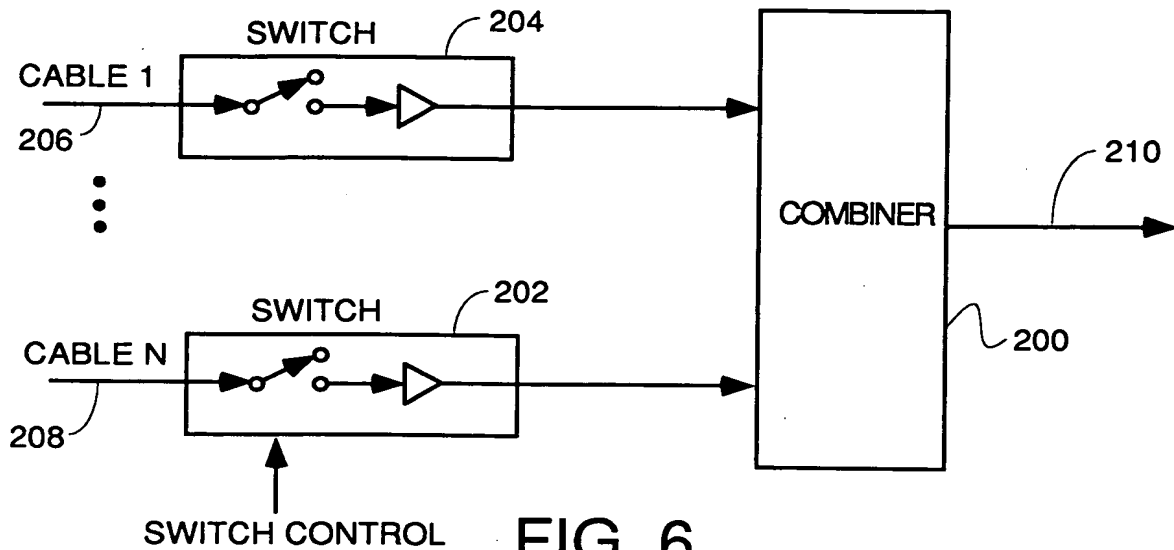


FIG. 6

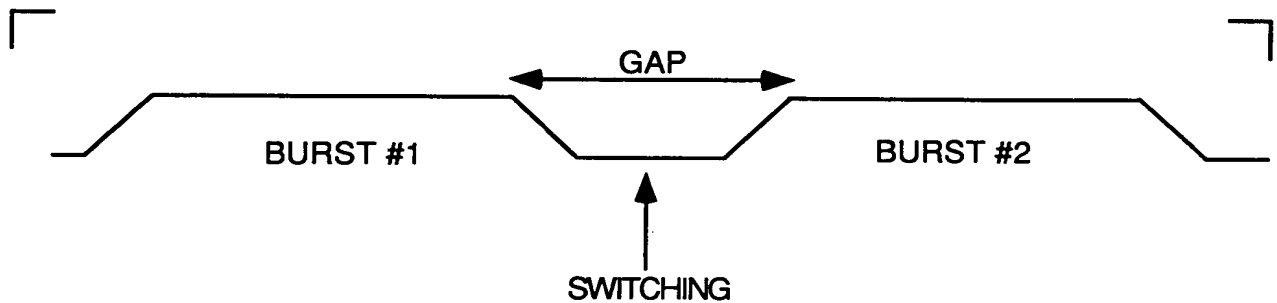


FIG. 7A

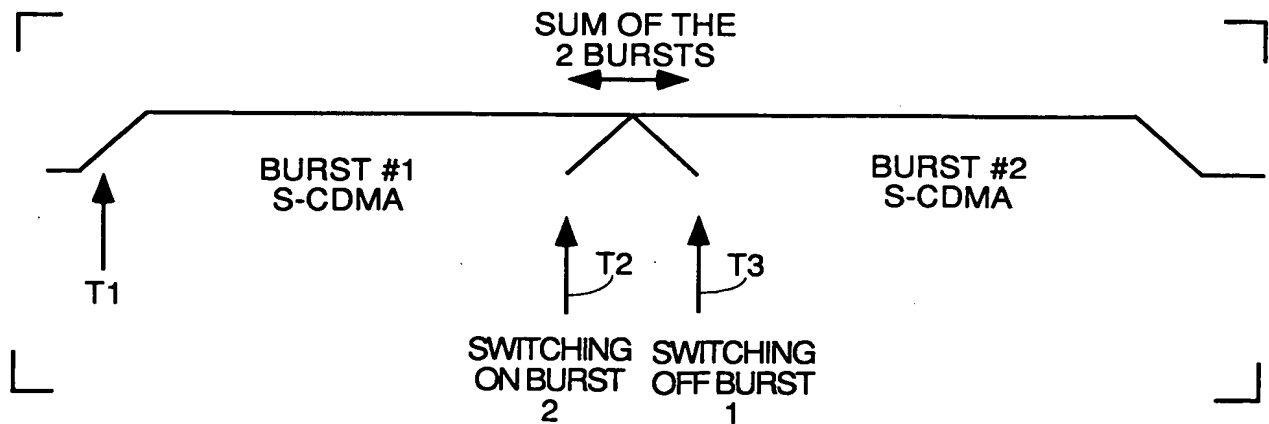


FIG. 7B